

I claim:

1. A shock adapter comprising:
 - a housing having a lumen therein;
 - a central axis through said housing;
 - 5 a first end cap on a first end of said housing;
 - a first slideable member extending through said first end cap and into the lumen to enable said second slideable member to be axially displaceable into the lumen;
 - a second end cap on the second of said housing; and
 - a second slideable member extending through said second end cap and into the
 - 10 lumen to enable said second slideable member to be axially displaceable into the lumen.
2. The shock adapter of claim 1 wherein the housing includes external threads for mounting to receive shocks from either end thereof.
- 15 3. The shock adapter of claim 1 wherein at least one of the end caps is removable.
4. The shock adapter of claim 1 wherein each of the end caps includes a thread for engagement with a mating thread on the housing to hold each of the end caps thereon.
- 20 5. The shock adapter of claim 1 wherein the first slideable member comprises a cylindrical rod and the first end cap includes a passageway therein for sliding of said cylindrical rod therein.
6. The shock adapter of claim wherein the second slideable member comprises a
- 25 cylindrical rod and the second end cap includes a passageway therein for sliding of said cylindrical rod therein.

7. The shock adapter of claim 1 wherein the length of the lumen is sufficient to retain a one-way shock absorber in a relaxed condition therein.

8. The shock adapter of claim 1 wherein the length of the lumen for receiving a one-way shock absorber is X and the length of a one-way shock absorber in a relaxed condition for placement therein is X or less to thereby hold the one-way shock absorber in a ready condition to receive a shock from either end thereof.

9. The shock adapter of claim 1 wherein the exterior of the housing includes a male thread and the interior of the housing includes a female thread.

10. The shock adapter of claim 1 wherein each of the slidable members include a stop to limit the axial displacement of the slideable members.

11. A shock adapter for converting a one-way shock absorber into a two-way shock absorber comprising:

a housing having a first end and a second end and a chamber therebetween;

a first slidable member extend through the first end of said housing for receiving an impact in a first direction; and

a second slidable member extending through the second end of said housing for receiving an impact in a direction opposite from said first direction.

12. The shock adapter of claim 11 wherein the housing includes at least one removable end cap for placing a one-way shock absorber therein.

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13. The shock adapter of claim 12 wherein the chamber has a length sufficient short to hold a one-way shock absorber therein in an axially retained condition between said first slideable member and said second slideable member.

5 14. The shock adapter of claim 13 wherein said first and second slideable member each includes a stop to limit an axial outward displacement of the slideable member.

15. The shock adapter of claim 14 wherein at least one end cap includes threads for threading engaging the housing of the shock adapter.

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16. The shock adapter of claim 15 wherein the at least one end cap includes flats for rotating the end cap with respect to the housing of the shock adapter.

15 17. The shock adapter of claim 16 when the housing of the shock adapter and the slideable members are rigid materials.

18. The shock adapter of claim 17 wherein each of the slideable members includes a stop to limit the outward axial displacement of the slideable members in the shock adapter.

20 19. A method of converting a one-way shock absorber into a two-way shock absorber comprising;

forming a housing having a chamber therein sufficient large to house a one way shock absorber in a laterally displaceable condition therein;

placing a first slideable member in one end of the housing;

25 placing a second slidable member in the opposite end of the housing; and

inserting a one-way shock absorber in the chamber in the housing with one end of the one-way shock absorber engageable with the first slidable member and the other end of the one-way shock absorber engageable with the second slideable member.

- 5 20. The method of claim 19 wherein the chamber in the housing is formed with a length that is equal to or less than a length of the one-way shock absorber to maintain the ends of the shock absorber in pressure contact with each of the slideable members.